

FALL 2003 RESOURCE ASSESSMENT TRAWL SURVEY

The *Marine Fisheries* trawl survey provides information for many uses including environmental reviews and groundfish assessments. It is critical to the integrity of the survey that we maintain access to sampling sites. Because of admirable cooperation during the last several years from fixed gear fishermen, we have accomplished our sampling goals and avoided costly gear conflicts.

We ask that all fixed gear fishermen review the attached table of station location details and the accompanying figure, which plots the general locations of all selected sample sites. We request that all fixed gear be kept clear of station locations (1.5 n. mi. diameter circle - center point reported in table) for the indicated periods. We will make every attempt to complete stations during the assigned period to minimize inconvenience to fixed gear fishermen. Fishermen can contact the R/V Gloria Michelle on VHF channels 13 or 16 to determine the updated daily schedule. In the event of a delay due to weather, we will resume our schedule as soon as working conditions are safe.

As reported in the past, the DMF Director is prepared to attach restrictions to permit renewals (under 322 CMR 7.01 (7)) mandating that fixed gear not be set on designated trawl survey sites for the dates stipulated. It remains our hope that this action will be unnecessary.

Personnel aboard the NOAA R/V Gloria Michelle (65' western rigged steel stern trawler with a blue hull and white deckhouse) will carefully check each site for marked gear by cruising along a selected tow path at least once before the net is set. Undertaken at 2.5 knots, twenty-minute tows cover approximately 0.8 n mi., generally along a depth contour. We encourage communicating helpful information to the R/V officers (via channels 13 or 16).

Massachusetts Division of Marine Fisheries - 2003 Autumn Trawl Survey Station Locations
North and East of Cape Cod

<u>General Location</u>	<u>General Location</u>	<u>Depth</u>	<u>Range of Dates</u>	<u>Latitude</u>	<u>Center of Tow Area Longitude</u>	<u>Loran</u>
East of Cape Cod	E. of Highlands	0-30'	10 - 12 Sept.	41°59.6'	70°00.6'	13772.0/44065.0
	Peaked Hill Bar	0-30'	10 - 12 Sept.	42°04.8'	70°08.1'	13791.0/44106.5
	E. of Highlands	31-60'	10 - 12 Sept.	41°59.4'	69°59.5'	13766.5/44062.5
	E. of Highlands	31-60'	10 - 12 Sept.	42°01.9'	70°01.2'	13768.0/44080.0
	E of Nauset Beach Light	61-90'	10 - 12 Sept.	41°52.3'	69°55.4'	13777.0/44014.5
	E of Nauset Harbor	91-120'	10 - 12 Sept.	41°49.7'	69°53.6'	13778.0/43997.0
	E of Highland Light	91-120'	10 - 12 Sept.	42°04.0'	70°01.8'	13758.0/44092.0
	N of Race Point	121-180'	10 - 12 Sept.	42°05.1'	70°13.9'	13824.0/44117.5
	N of Provincetown	121-180'	10 - 12 Sept.	42°07.7'	70°09.8'	13787.5/44125.5
Cape Cod Bay	Sandy Neck	0-30'	3 - 11 Sept.	41°44.5'	70°19.7'	13954.0/44008.5
	Sandy Neck	0-30'	3 - 11 Sept.	41°44.8'	70°16.9'	13936.0/44001.5
	Plymouth Bay	0-30'	3 - 11 Sept.	41°57.4'	70°36.7'	14000.0/44109.0
	Sandy Neck	31-60'	3 - 11 Sept.	41°45.0'	70°22.5'	13970.0/44011.0
	Sandy Neck	31-60'	3 - 11 Sept.	41°45.8'	70°18.3'	13940.0/44010.0
	Scorton Neck	31-60'	3 - 11 Sept.	41°45.9'	70°23.5'	13971.5/4418.0
	Sagamore Beach	31-60'	3 - 11 Sept.	41°47.8'	70°28.9'	13995.0/44037.5
	Ellisville Harbor	31-60'	3 - 11 Sept.	41°50.8'	70°29.8'	13987.0/44058.0
	N of Scorton Neck	61-90'	3 - 11 Sept.	41°49.2'	70°23.1'	13954.0/44037.5
	N of Sagamore Beach	61-90'	3 - 11 Sept.	41°49.5'	70°26.7'	13974.0/44044.5
	N of Sagamore Beach	61-90'	3 - 11 Sept.	41°51.2'	70°23.8'	13949.5/44050.5
	Duxbury Beach	61-90'	3 - 11 Sept.	42°01.9'	70°34.4'	13965.0/44132.5
	Brant Rock	61-90'	3 - 11 Sept.	42°05.4'	70°34.2'	13947.0/44153.0
	N of Sandy Neck	91-120'	3 - 11 Sept.	41°52.0'	70°22.0'	13935.0/44052.5
	N of Barnstable Harbor	91-120'	3 - 11 Sept.	41°52.3'	70°17.2'	13905.0/44047.0
	E of Manomet Point	91-120'	3 - 11 Sept.	41°54.7'	70°24.1'	13935.0/44072.5
	E of Rocky Point	91-120'	3 - 11 Sept.	41°57.7'	70°28.5'	13948.5/44097.5
	E of Brant Rock	91-120'	3 - 11 Sept.	42°05.0'	70°32.9'	13940.5/44148.5
	Fishing Ledge	121-180'	3 - 11 Sept.	41°56.5'	70°20.7'	13906.5/44077.5
	E of Plymouth Bay	121-180'	3 - 11 Sept.	41°59.6'	70°24.5'	13915.0/44102.5
	E of Gurnet Point	121-180'	3 - 11 Sept.	42°01.0'	70°25.6'	13915.0/44112.5
	E of Duxbury Beach	121-180'	3 - 11 Sept.	42°03.5'	70°30.2'	13931.0/44134.5
	E of Brant Rock	121-180'	3 - 11 Sept.	42°05.2'	70°28.9'	13915.0/44142.5
	SE of Billingsgate Shoal	0-30'	3 - 11 Sept.	41°48.6'	70°05.8'	13854.0/44007.5
	Billingsgate Shoal	0-30'	3 - 11 Sept.	41°53.4'	70°06.7'	13838.0/44038.0
	W of Billingsgate Shoal	31-60'	3 - 11 Sept.	41°51.5'	70°11.3'	13892.0/44007.0
	W of Billingsgate Shoal	31-60'	3 - 11 Sept.	41°50.6'	70°10.8'	13875.0/44027.0
	N of Sesuit Harbor	31-60'	3 - 11 Sept.	41°47.2'	70°11.1'	13873.5/44033.0
	W of Pamet River	61-90'	3 - 11 Sept.	41°57.4'	70°07.9'	13825.5/44063.5
	W of Pamet River	61-90'	3 - 11 Sept.	41°59.0'	70°07.8'	13817.5/44072.5
	W of Pamet River	61-90'	3 - 11 Sept.	41°59.7'	70°09.2'	13822.0/44079.0
	W of Great Island	91-120'	3 - 11 Sept.	41°54.9'	70°11.3'	13857.0/44053.5
	W of Great Island	91-120'	3 - 11 Sept.	41°55.2'	70°13.2'	13867.0/44058.5
	W of Griffin Island	91-120'	3 - 11 Sept.	41°56.3'	70°15.3'	13874.5/44068.0
	SW of Provincetown	121-180'	3 - 11 Sept.	41°59.4'	70°19.5'	13885.5/44092.5
	SW of Provincetown	121-180'	3 - 11 Sept.	42°00.6'	70°18.5'	13873.5/44098.0
	SW of Provincetown	121-180'	3 - 11 Sept.	42°01.7'	70°13.5'	13838.0/44097.0
	W of Race Pt.	180+	3 - 11 Sept.	42°04.0'	70°18.0'	13854.5/44117.5
	NW of Race Pt.	180+	3 - 11 Sept.	42°05.4'	70°19.1'	13854.0/44127.5
	NW of Race Pt.	180+	3 - 11 Sept.	42°07.0'	70°25.3'	13884.5/44147.5
Cape Ann and North	Ipswich Bay	0-30'	4 - 9 Sept.	42°40.3'	70°42.7'	13825.5/44364.5
	Plum Island	0-30'	4 - 9 Sept.	42°45.3'	70°47.3'	13829.0/44395.5
	Ipswich Bay	31-60'	4 - 9 Sept.	42°41.0'	70°40.9'	13810.0/44365.0
	Ipswich Bay	61-90'	4 - 9 Sept.	42°42.6'	70°42.3'	13810.0/44376.5
	Plum Island	61-90'	4 - 9 Sept.	42°46.3'	70°45.1'	13808.5/44401.0
	Halibut Point	91-120'	4 - 9 Sept.	42°42.2'	70°38.4'	13787.5/44366.5
	E of Eastern Pt.	121-180'	4 - 9 Sept.	42°35.1'	70°35.6'	13808.0/44323.5
	Off Rockport	121-180'	4 - 9 Sept.	42°41.4'	70°34.0'	13764.0/44354.0
	N of Halibut Point	121-180'	4 - 9 Sept.	42°44.1'	70°38.5'	13778.0/44376.5
	E of Thacher Island	>180'	4 - 9 Sept.	42°38.0'	70°31.8'	13767.5/44332.5
Massachusetts Bay	Revere Beach	0-30'	4 - 9 Sept.	42°24.8'	70°57.8'	14003.3/44308.0
	Nahant Bay	0-30'	4 - 9 Sept.	42°27.0'	70°55.0'	13974.0/44315.0
	Cohasset	31-60'	4 - 9 Sept.	42°16.9'	70°47.6'	13976.0/44243.5
	Harding Ledge	31-60'	4 - 9 Sept.	42°18.1'	70°50.6'	13989.0/44256.0
	Revere Beach	31-60'	4 - 9 Sept.	42°24.4'	70°55.7'	13992.0/44302.0
	Nantasket	61-90'	4 - 9 Sept.	42°18.6'	70°48.1'	13971.0/44255.0
	Nahant Bay	61-90'	4 - 9 Sept.	42°26.6'	70°53.6'	13967.0/44310.0
	NE of Cohasset	91-120'	4 - 9 Sept.	42°18.3'	70°43.3'	13941.0/44244.0
	Rosie's Hole	91-120'	4 - 9 Sept.	42°23.5'	70°49.2'	13954.5/44284.5
	Gales Ledge	91-120'	4 - 9 Sept.	42°33.0'	70°43.4'	13867.5/44326.5
	Outer Mass. Bay	121-180'	4 - 9 Sept.	42°20.3'	70°42.8'	13829.5/44254.5
	Outer Mass. Bay	121-180'	4 - 9 Sept.	42°22.4'	70°41.3'	13908.5/44244.0
	Outer Mass. Bay	121-180'	4 - 9 Sept.	42°27.6'	70°42.4'	13890.0/44295.0
	Newcombe Ledge	121-180'	4 - 9 Sept.	42°30.0'	70°43.8'	13886.0/44310.5
	Salem Channel	121-180'	4 - 9 Sept.	42°31.2'	70°43.1'	13875.0/44375.5
	Sat. Night Ledge	121-180'	4 - 9 Sept.	42°31.7'	70°40.5'	13856.0/44315.5
	Outer Mass. Bay	>180'	4 - 9 Sept.	42°25.8'	70°39.1'	13878.0/44278.5
	Outer Mass. Bay	>180'	4 - 9 Sept.	42°29.6'	70°37.6'	13849.0/44297.0

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